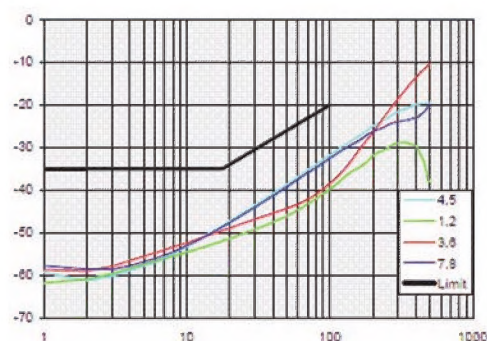


### Category 5e Unshielded RJ-45 Keystone Jacks

#### Transmission and Electrical Specifications

| Frequency<br>MHz | Insertion Loss |      | NEXT |      | FEXT |      | RL   |      |
|------------------|----------------|------|------|------|------|------|------|------|
|                  | dB             |      | dB   |      | dB   |      | dB   |      |
|                  | Nom            | Max  | Nom  | Min  | Nom  | Min  | Nom  | Min  |
| 1.00             | 0.02           | 0.10 | 85.0 | 65.0 | 77.0 | 65.0 | 55.0 | 30.0 |
| 4.00             | 0.03           | 0.10 | 75.0 | 65.0 | 65.0 | 63.1 | 50.0 | 30.0 |
| 8.00             | 0.04           | 0.11 | 70.0 | 64.9 | 60.0 | 57.0 | 48.0 | 30.0 |
| 10.00            | 0.04           | 0.13 | 68.0 | 63.0 | 58.0 | 55.1 | 42.0 | 30.0 |
| 16.00            | 0.05           | 0.16 | 64.0 | 58.9 | 54.0 | 51.0 | 40.0 | 30.0 |
| 25.00            | 0.06           | 0.20 | 60.0 | 55.0 | 50.0 | 47.1 | 35.0 | 30.0 |
| 31.25            | 0.07           | 0.22 | 58.0 | 53.1 | 48.0 | 45.2 | 33.0 | 30.0 |
| 62.50            | 0.11           | 0.32 | 52.0 | 47.1 | 42.0 | 39.1 | 28.1 | 24.1 |
| 100.00           | 0.15           | 0.40 | 45.0 | 43.0 | 38.0 | 35.1 | 24.0 | 20.0 |

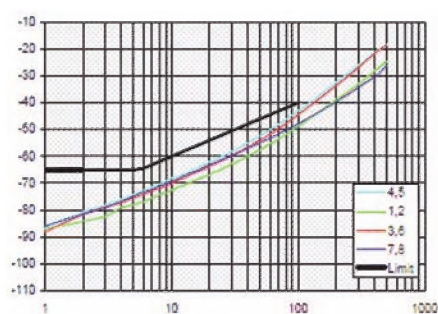
#### Typical Return Loss (Forward, Component Level)



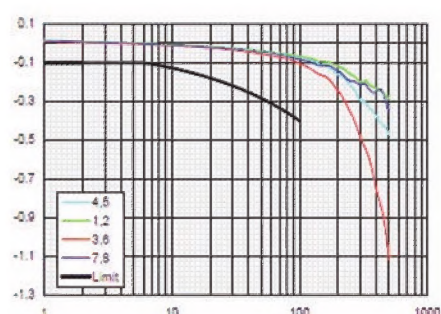
|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Propagation Delay                 | 2.5 nS max @ 1-100 MHz              |
| Propagation Delay Skew            | 1.25 nS max @ 1-100 MHz             |
| Current rating                    | 1.5 A max.                          |
| Contact resistance                | 20 mOhm max (per contact)           |
| Input/Output resistance           | 200 mOhm max                        |
| Input/Output resistance Unbalance | 50 mOhm max                         |
| Voltage rating                    | 72 Vdc max                          |
| Dielectric strength               | 1000 Volts rms for 1 minute         |
| Insulation Resistance             | 500 MegaOhm min @ 500 Vdc           |
| DC Resistance                     | 0.1 Ohm max @ 20C                   |
| TCL                               | 28-20-Log(f/100) dB min @ 1-100 MHz |
| Transfer Impedance                | N/A                                 |

#### Typical Test Results at the Component Level

##### Worst PS-NEXT



##### Typical Insertion Loss



#### Ordering Information

| HCS P/N   | Description                                | Termination Blocks | Punch-Down Tool | T568 |
|-----------|--|--------------------|-----------------|------|
| J5E-00811 | 8P8C RJ-45 Unshielded Keystone Jack CAT 5e | 110 IDC            | 110             | B    |
| J5E-00812 | 8P8C RJ-45 Unshielded Keystone Jack CAT 5e | 110 IDC            | 110             | A    |
| J5E-00813 | 8P8C RJ-45 Unshielded Keystone Jack CAT 5e | 110 IDC            | 110             | UNI  |
| J5E-00814 | 8P8C RJ-45 Unshielded Keystone Jack CAT 5e | 110 IDC            | LSA Plus & 110  | B    |
| J5E-00815 | 8P8C RJ-45 Unshielded Keystone Jack CAT 5e | 110 IDC            | LSA Plus & 110  | A    |
| J5E-00816 | 8P8C RJ-45 Unshielded Keystone Jack CAT 5e | 110 IDC            | LSA Plus & 110  | UNI  |
| J5E-00817 | 8P8C RJ-45 Unshielded Keystone Jack CAT 5e | 110 IDC            | LSA Plus & 110  | UNI  |